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RUCSAAA/344TH ARTW OFFUTT AFB OMAHA NEB
RUCLFGA/100TH SRW OL 19 MCCOY AFB FLA
RUWJDBA/100TH SRW DAVIS MONTHAN AFB ARIZ
RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
RUEAIIA/CIA WASH DC
RUEOJFA/DIA
RUWSKNA/15TH AF MARCH AFB RIVERSIDE CALIF
RUEFHQA/HQS USAF
BT

1968 OCT 8 15 19Z

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S E C R E T CITE NPIC 4746
SAC FOR DIR, DCSR, DISO; 15TH AF FOR DI, DO; 100TH SRW FOR CO, DOOI; HQ USAF FOR AFNDR [redacted] DIA FOR DIAXK-2.
FROM NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.
SUBJECT: EVALUATION OF GLASS LAMP MISSION G-044

1. QUALITY SUMMARY: THE IMAGE QUALITY OF THIS MISSION IS COMPARABLE TO THE IMAGERY OBTAINED ON GLASS LAMP MISSION G-043. THERE IS A NOTICEABLE CHANGE IN IMAGE QUALITY ACROSS THE FORMAT

PAGE 2 RUEADJU 19 S E C R E T
WITH THE NON-DATA BLOCK END OF FRAME BEING THE BEST. THE IMAGERY IS GOOD THROUGHOUT THE MISSION WHER IT IS NOT ADVERSELY AFFECTED BY ATMOSPHERICS. THE POOR IMAGE QUALITY PREVALENT AT THE BEGINNING OF RECENT GLASS LAMP MISSIONS DOES NOT APPEAR TO BE PRESENT. THIS COULD BE DUE TO THE EXTENDED TIME PERIOD BETWEEN THE TAKE OFF AND PENETRATION (1 HOUR, 26 MINUTES) GIVING THE CAMERA MORE TIME TO STABILIZE. THE GROUND RESOLUTION AND INTERPRETATION SUITABILITY ARE GOOD WHERE NOT DEGRADED BY ATMOSPHERICS. CLOUD COVER AND HAZE [redacted] 25X1 OBSCURE APPROXIMATELY 25 PER CENT OF THE ENTIRE MISSION.

2. MISSION DATA:
A. THE STANDARD "B" CONFIGURATION CAMERA, UNIT NUMBER 19 WAS USED IN MISSION G-044 FLOWN 1 OCTOBER 1968. MODE 5 WAS USED THROUGHOUT.
B. FILM TYPE 3401 WAS USED WITH AN EXPOSURE SETTING OF 1/300 AT F-16. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCEN.

3. ORIGINAL NEGATIVE:
A. EXPOSURE: THE EXPOSURE IS ADEQUATE, HOWEVER, THE LATTER PART OF THE MISSION (APPROXIMATELY THE LAST 1000 FRAMES) APPEARS TO HAVE BEEN SLIGHTLY OVEREXPOSED.

PAGE 3 RUEADJU 19 S E C R E T
B. DENSITY AND CONTRAST: GENERALLY MEDIUM; HOWEVER, THE LAST 1000 FRAMES ARE MORE DENSE AND HAVE HIGHER CONTRAST.
C. IMAGED DEGRADATIONS:
(1) 9K SIDE: SMALL PLUS DENSITY MARKS PARALLEL TO THE MAJOR AXIS OF THE FILM ARE SPACED APPROXIMATELY 6.3 INCHES APART INTERMITTENTLY IN FRAMES 1-1311. TWO ROWS OF THESE MARKS ARE PRESENT CONTINUOUSLY FROM FRAME 1 THROUGH FRAME 1311. THEY ARE 4.25 INCHES AND 4.34 INCHES FROM THE OUTBOARD EDGE OF THE FILM.

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ROLLER CHATTER IS PRESENT ALONG THE INBOARD EDGE OF THE FILM FOR THE ENTIRE MISSION AND ALONG THE OUTBOARD EDGE OF THE FILM FOR APPROXIMATELY THE LAST 750 FRAMES. THE ROLLER CHATTER ALONG THE INBOARD EDGE IS QUITE PROMINENT AT THE END OF THE MISSION. THE OBSTRUCTION NEAR THE DATA BLOCK, REPORTED IN PREVIOUS EVALUATIONS OF THIS CAMERA UNIT, HAS SHIFTED SO THAT ONLY A SMALL CORNER OF THE FORMAT NEAR THE CLOCK AND POSITION INDICATOR IS OBSTRUCTED. A 27 INCH LONG PLUS DENSITY MARK BEGINS 3.25 INCHES FROM THE NON-DATA BLOCK EDGE OF FRAME 1432, 3.25 INCHES FROM THE INBOARD EDGE AND EXTENDS THROUGH FRAMES 1432 AND 1433. IT APPEARS TO HAVE RESULTED FROM PRESSURE AGAINST THE FILM PRIOR TO PROCESSING.

PAGE 4 RUEADJU IS S E C R E T
FRAME 2551 CONTAINS A 3.25 INCH WIDE PLUS DENSITY BAND ALONG THE DATA BLOCK END OF THE FRAME.

(2) SL SIDE: MINOR ROLLER CHATTER IS PRESENT INTERMITTENTLY ALONG THE INBOARD EDGE. DEGRADATIONS DUE TO A MANUFACTURER'S SPLICE ARE PRESENT IN FRAMES 1124 AND 1125.

3) BOTH SIDES: EDGE FOG IS PRESENT ALONG THE OUTBOARD EDGES. THERE IS A PLUS DENSITY LINE PARALLEL TO EACH EDGE OF THE FORMAT, 3.35 INCH FROM THE FORMAT EDGE IN ALL FRAMES. THE MARKS APPEAR TO BE A REFLECTION OFF THE FORMAT OF THE FRAME IN THE CAMERA.

3. PHYSICAL DEGRADATIONS:

(1) SR SIDE: FRAMES 323 AND 324 CONTAIN A CURVED SCRATCH WITH A TOTAL LENGTH OF 3.5 INCHES. A MANUFACTURER'S SPLICE IS PRESENT IN FRAME 124. A HEAT SPLICE IS PRESENT IN FRAME 1315.

(2) SL SIDE: FRAME 1124 CONTAINS A MANUFACTURER'S SPLICE. FRAME 1245 CONTAINS A HEAT SPLICE.

E. AUXILIARY DATA: THERE IS A BIAS OF 1 BETWEEN THE EVENTS COUNTER AND TITLED FRAME NUMBERS. THE EVENTS COUNTER READS 0000 IN TITLED FRAME 0001. ALL OTHER DATA RECORDING EQUIPMENT FUNCTIONED PROPERLY.

F. THE LAST TITLED FRAME IS 2552 ON BOTH SIDES.

4. POSITIVES:

A. THE PRINTING AND PROCESSING ARE GOOD.

GP-1
S E C R E T

END OF MSG

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